

# Brandon Chow

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## Education **University of California, Berkeley**

- B.A. Computer Science (GPA: 3.42) | Expected May 2019
- Coursework: Web Design, Computer Security, Introduction to Database Systems, Introduction to Artificial Intelligence, Operating Systems and System Programming, Machine Structures, Data Structures, Foundations of Data Science, Efficient Algorithms and Intractable Problems

## Skills

**Programming Experience:** Java, Python, C, HTML, Javascript

**Software:** Adobe Photoshop, Adobe Illustrator, Microsoft Office Suite, Sony Vegas

**Languages:** Conversant in Cantonese, Proficient in French, Basic Mandarin

## Projects

**Shibas of Instagram** | Nov 2017

- Won first place in web design class competition and is now used as an example to introduce JQuery to students
- Built and designed a showcase for Instagram accounts using HTML, CSS, and JQuery
- Focused on animation and use of JQuery for navigation on a single page
- <https://brandonlchow.github.io/>

**Pacman AI** | Feb 2017 – May 2017

- Created a series of agents that can navigate and solve different mazes and versions of the popular game “Pacman” using various algorithms and learning methods
- Employed various search algorithms such as BFS and A\* for navigation while taking adversarial agents into account
- Implemented reinforcement learning with value iteration and Q-learning techniques

**BearMaps** | Apr 2016

- Built an interactive map of the city of Berkeley with zoom and routing functions
- Applied Dijkstra’s and A\* search algorithms to find shortest routes on a quadtree structure
- Program collects and rasterizes images at each level of zoom using a comparator to sort the images by longitude and latitude at the correct distance-per-pixel ratio

## Activities

**Secretary**

*Chinese Student Association, UC Berkeley | May 2017 – Present*

- Recording all weekly cabinet meetings and delivering typewritten reports
- Overseeing and providing assistance to the media department which consists of webmasters, historians, and video editors

**Webmaster**

*Chinese Student Association, UC Berkeley | Feb 2016 – April 2017*

- Administered the organization’s webpage, designing and creating assets while ensuring that web content and information was up to date

## Work

## Experience

**Library Student Assistant**

*North Regional Library Facility | May 2017 – August 2017*

- Retrieved, organized, and returned library material, meeting daily deadlines and checking the work of others
- Processed and categorized new material, identifying problematic material and referring it to appropriate departments